

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L21	57	13 and 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:36
L20	103	19 and @py<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:35
L19	176	((open\$3 and clos\$3) with (shutter)) same ((detect\$3 or sens\$3) with (shock\$3 or shak\$3 or vibrat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:33
L18	45	15 and 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:22
L17	79	13 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:22
L16	270	(shutter or aperture or exposure or iris or diaphragm) with ((detect \$3 or sens\$3) near4 (shock\$3 or shak\$3 or vibrat\$3)) with (open \$3 or clos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:21
L15	261	14 and @py<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:21
L14	641	12 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:20
L13	268924	"396".clas. or "348".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:20
L12	2845	(shutter or aperture or exposure or iris or diaphragm) with ((detect \$3 or sens\$3) near4 (shock\$3 or shak\$3 or vibrat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:20
L11	566	9 and 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:07

L10	144845	(shutter or releas\$3) with (exposure or iris or aperture or diaphragm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:07
L9	1071	396/55.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 14:06
L8	291	5 and @py<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 13:52
L7	0	6 and @py<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 13:51
L6	1	10/720084	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 13:51
L5	578	((shock\$3 or shak\$3 or vibrat\$3) near5 (detect\$3 or sens\$3)) same (exposure or iris or diaphragm or aperture) same (shutter or releas\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 13:50
L4	4677	((shock\$3 or shak\$3 or vibrat\$3) near5 (detect\$3 or sens\$3)) same (exposure or iris or diaphragm or aperture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 13:50
L3	3081250	((shock\$3 or shak\$3 or vibrat\$3) near5 (detect\$3 or sens\$3)) (exposure or iris or diaphragm or aperture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 13:49
L2	113197	(shock\$3 or shak\$3 or vibrat\$3) near5 (detect\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 13:47
L1	2	"6778210".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/14 13:46
S181	2	"4984003".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/07 17:26
S180	3	"4299464".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/07 16:48
S179	1	S176 and S178	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/07 16:47

S178	424	(shutter same releas\$3 same (blade same mechanical))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/07 16:47
S177	38728	(shutter same releas\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/07 16:46
S176	134	Watanabe-Nobuaki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/07 16:46
S175	1	10/720084	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/10/07 16:44
S174	2	"20040105028".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/19 19:47
S173	3	"4299464".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/19 19:12
S172	5	S170 and S171	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/19 19:00
S171	311	348/363.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/19 19:00
S170	1293	(shutter near3 blad\$3) with open \$3 with (releas\$3 or button)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/19 18:59
S169	15	S167 and S168	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 15:51
S168	7543	shutter adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 15:51
S167	125	Watanabe-Nobuaki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 15:51
S166	3431	(shutter near3 blade) with open \$3 with clos\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 15:50
S165	306	348/363.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 15:49

S164	2	"4984003".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 13:46
S163	2	"20040105028".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/19 10:44
S162	7	camera with (shock\$3 adj sensor) with (impact or drop\$3 or bump \$3 or force)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/20 13:11
S161	71	camera with (shock\$3 adj sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/20 13:10
S160	2	"20040105028".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/20 09:36
S159	0	Ikeda-Noribumi.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/19 18:10
S158	0	Noribumi-Ikeda.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/19 18:10
S157	0	Noribumi-Ikeda.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/19 18:10
S156	0	Ikeda-Noribumi.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/19 18:09
S155	5	("3903528"   "3952312"   "4176929"   "4494846").PN. OR ("5172158").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/19 17:59
S154	14	impact with shutter with blade with state	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 17:33
S153	254	impact with shutter with blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 17:32
S152	1506	impact with shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 17:32
S151	21	S149 and S150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 16:11
S150	2988	shutter same (clos\$3 or open\$3 or openable or closable)same state same blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 16:10
S149	374	(S145 or S146 or S147)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 16:09

S148	0	S145 and S146 and S147	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 16:09
S147	76	Ikeda-Kei.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 16:09
S146	280	Toyoda-Yasuhiro.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 16:08
S145	18	Oyoshi-masahito.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 16:08
S144	1	stand\$1by same state same (drop \$4 or bump\$3) same blade same camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 14:31
S143	37	stand\$1by same state same (drop \$4 or bump\$3) same blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 14:30
S142	2731	stand\$1by same state same (drop \$4 or bump\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 14:29
S141	259320	stand\$1by same state same drop \$4 or bump\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 14:29
S140	13	S138 same S139	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 14:23
S139	2087	shutter same blade same state same (open\$3 or openable)same (clos\$3 or closable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 14:23
S138	749	camera same drop\$3 same force	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 14:20
S137	2	camera same drop\$3 same impulsive same force	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 14:19
S136	64	S135 not S131	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 13:47
S135	65	shutter same force same drop\$3 same camera same blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 13:47

S134	226	shutter same force same drop\$3 same camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 13:47
S133	1745	shutter same force same drop\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 13:46
S132	1	blade same shutter same impulsive same force same drop \$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 13:46
S131	15	((shutter or diaphragm or ND) near3 blade )with camera with open with close with state	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 12:40
S130	296	((shutter or diaphragm or ND) near3 blade )with camera with open with close	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 12:40
S129	642398	((shutter or diaphragm or ND) near3 blade )with camera open with close	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 12:39
S128	2833	((shutter or diaphragm or ND) near3 blade )with camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 12:39
S127	12970	(shutter or diaphragm or ND)near3 blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 12:38
S126	2	"20040105028".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/19 12:37
S125	2	"5764292".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/11/27 11:42
S124	42	348/231.2.ccls. and interrupt\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/07 10:04
S123	0	348/231.2.ccls. and miss\$3 with frame\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/07 10:03
S122	0	348/231.2.ccls. and miss\$3 and complement\$3 and substitut\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/07 10:03
S121	319	348/231.2.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/07 10:01
S120	39	S119 and substitut\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/07 10:01

S119	390	348/220.1.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/07 09:54
S118	8	("20010040626"   "20020021361"   "20020057351" "20020140826"   "20020196348"   "4714963"   "4837628"   "5335042").PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/07 09:54
S25	16	S24 and (open same close)	USPAT	OR	OFF	2007/11/07 09:53
S117	7	("4075641"   "4286854"   "4413892"   "4418999").PN. OR ("4527877").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/06 15:40
S116	20	S115 and ("348"/\$6.ccls. or "455"/\$6.ccls. or "396"/\$6.ccls.)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 15:35
S115	53	S114 same (motor or actuat\$3) same blad\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 15:34
S114	8586	open\$3 near4 before near4 clos \$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 15:33
S113	32584	open\$3 with before with clos\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 15:33
S112	119	("455"/\$6.ccls. or "396"/\$6.ccls. or "348"/\$6.ccls.) and (camera adj module) and (motor or actuat \$3) and blad\$3 and (open or openning or clos\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 15:32
S111	104	("455"/\$6.ccls. or "396"/\$6.ccls. or "348"/\$6.ccls.) and (camera adj module) and (motor or actuat \$3) and blad\$3 and (open or openning or clos\$3) and stand \$1by	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 13:17
S109	120	("455"/\$6.ccls. or "396"/\$6.ccls. or "348"/\$6.ccls.) and (camera adj module) and (motor or actuat \$3) and blad\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 13:15
S108	0	"455"/\$6.ccls. and (camera adj module) and (motor or actuat\$3) and blad\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 13:14
S107	4	(motor or actuat\$3)with blade same camera adj module	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 13:13
S106	0	(motor or actuat\$3)with blade with camera adj module	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 13:13
S105	61453	(motor or actuat\$3)with blade	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 13:12
S104	3	S103 same (motor or actuat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 13:12

S103	187	camera adj module with (aperture or diaphragm)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 13:10
S102	1	"20010048474".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 13:09
S101	22	S99 and (motor or actual\$3) and electromagnetic	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 11:13
S100	91	S99 and (motor or actual\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 11:07
S99	100	S97 and ("348"/\$6.ccls. or "396"/\$6.ccls.)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 11:06
S98	62758	S97 and "348"/\$6.ccls. or "396"/\$6.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 11:05
S97	269	stand\$1by adj state and (camera or cod) and (aperture or diaphragm) and blad\$3 and (open \$4 or clos\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 11:05
S96	273	stand\$1by adj state and (camera or cod) and (aperture or diaphragm) and blad\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 11:03
S95	4637	stand\$1by adj state and (camera or cod)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 11:03
S94	1	"5764292".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/11/06 11:02
S13	16	S12 and blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 16:25
S93	9	("4119986"   "5173728"   "6443635").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:56
S92	16	("4431140"   "4886219"   "4901934"   "5505403"   "5725176"   "5967449"   "5988557").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:56
S90	2436	open\$3 near clos\$3 near open\$3 and shutter\$3 and blade\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:53
S91	5068	open\$3 near3 clos\$3 near3 open\$3 and shutter\$3 and blade\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:51
S89	298289	open\$3 near clos\$3 near open\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:51

S88	2048466	open\$3 with clos\$3 with open\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:50
S87	13	Watanabe-Nobuaki.in. and shutter \$3 and blade\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:50
S85	5	Watanabe-Nobuaki.in. and shutter \$3 and blade\$1 and mechanical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:31
S86	6	("20020113502"   "4806813"   "4897681"   "4958099"   "5155522"   "5689746").PN. OR ("6733192").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/17 14:29
S84	117	Watanabe-Nobuaki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:24
S83	13	mechanical adj shutter\$3 adj blad \$3 and open\$3 and clos\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:23
S82	16	mechanical adj shutter\$3 adj blad \$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 14:00
S81	2	"6547457".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/17 13:55
S80	1	("6104878").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/03 09:36
S79	49	S78 and exposure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:36
S78	202	S77 and camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:22
S77	1953	shock\$3 adj sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:21
S76	59782	shock\$3 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:21
S75	342	S71 and (force or bump or drop or accelerat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:21

S74	2	S71 and (impulsive adj force)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:06
S73	15	("20020047313"   "3508091"   "3551711"   "4656381"   "4891567"   "5298820"   "5369324"   "5384506"   "5523815"   "5555059"   "5831356"   "5917303"   "6218753").FN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/03 08:59
S72	4	S71 and (openabl\$1 with closabl \$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:56
S71	445	S70 and device	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:55
S70	504	S69 and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:55
S35	4	S29 same (openabl\$1 with closabl \$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:55
S69	2360	S67 and S68	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:54
S68	7750	(diaphragm or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:54
S7	7747	(diaphragm or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:54
S67	4360800	shock\$1 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:53
S66	2	(vibration with sensor)and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:53
S65	941	(396/463,469,506).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 18:19
S64	122	S63 and (shutter or diaphragm or filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 18:18

S63	133	S62 and (actuator same control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:43
S62	1930	S61 and (camera same exposure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:43
S61	82083	light adj detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:42
S60	50	S59 and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:42
S59	197	S58 and blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:25
S58	2210	S67 and (shutter or diaphragm or filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:24
S57	3374	S56 and (light adj measur\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:24
S56	2043285	standby or (stand\$1 by)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:23
S55	6525253	stand\$1 state	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:22
S54	38	S53 and (light adj measur\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:22
S53	616	S51 and (blade or shutter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:10
S52	614	S51 and (blade or shutter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 16:09
S51	962	(348/221.1,229.1,362).cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 16:09
S50	78	S48 and (incident adj light)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 16:08

S49	0	S47 and (shock with sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:56
S48	305	S47 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:56
S47	971	(light adj measur\$3)same (exposure adj control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:56
S46	4	S45 and incident	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:55
S45	13	S44 and measur\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:52
S44	26	S43 and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:49
S43	32	S42 and expos\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:49
S42	54	348/208.12.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:49
S41	1	("5012271").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/02 15:48
S40	1	("6547457").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/02 14:41
S39	10	S38 and reflect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 10:19
S38	29	348/208.16.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 10:18
S37	0	348/208.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 10:18
S36	32	S33 same (open\$3 with clos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:56

S29	3703	S26 same (open\$3 with clos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:56
S34	0	S33 same (openabl\$1 with closabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:55
S30	5	S26 same (openabl\$1 with closabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:55
S33	187	((time adj chart)with ((ND adj filter) or shutter or diaphragm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:51
S32	3	((time adj chart)with blade with control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:51
S31	5	((((ND adj filter) and shutter and diaphragm) adj blade)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:46
S26	8257	((((ND adj filter) or shutter or diaphragm) adj blade)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:37
S28	3703	S26 same ((open\$3 with clos\$3) or (openabl\$1 with closabl\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:29
S27	4264	S26 same (open\$3 or openabl\$1) same (clos\$3 or closabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:26
S14	9	("4119986" "5173728" "6443635").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:20
S24	58	S22 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/01 18:12
S23	7750	(diaphram or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/01 18:12
S22	1221	(348/362-369).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/01 18:12
S19	7	("5012271").URPN.	USPAT	OR	OFF	2007/03/01 18:12

S21	8	("6101333").URPN.	USPAT	OR	OFF	2007/03/01 18:08
S20	7	("5764292").URPN.	USPAT	OR	OFF	2007/03/01 18:07
S18	6	("5012271" "5764292" "6101333").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/01 17:02
S17	58	S15 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 18:37
S16	7747	(diaphragm or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 18:37
S15	1218	(348/362-369).ocls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 18:37
S12	114	Watanabe-Nobuaki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 16:00
S11	941	(396/463,469,508).ocls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 16:00
S10	10	(diaphragm and shutter and (ND \$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:58
S9	8991	(diaphragm or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:36
S8	12	S7 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:33
S6	2	"20030189656".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:32
S5	20	S4 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:16
S4	45	S3 and (actuator or motor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 14:19

S3	57	S2 and blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 14:18
S2	256	348/363.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 14:14
S1	0	Nobuaki-Watanabe.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 14:12

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